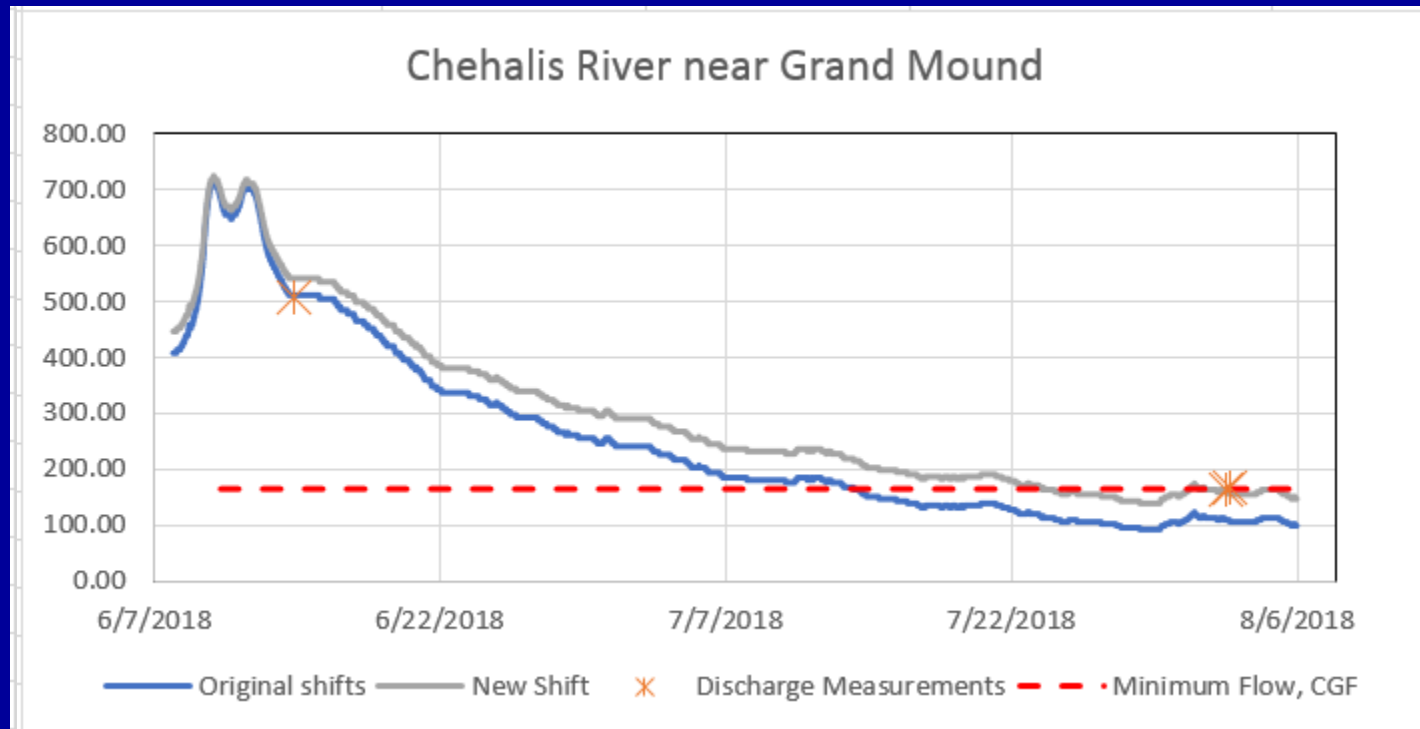


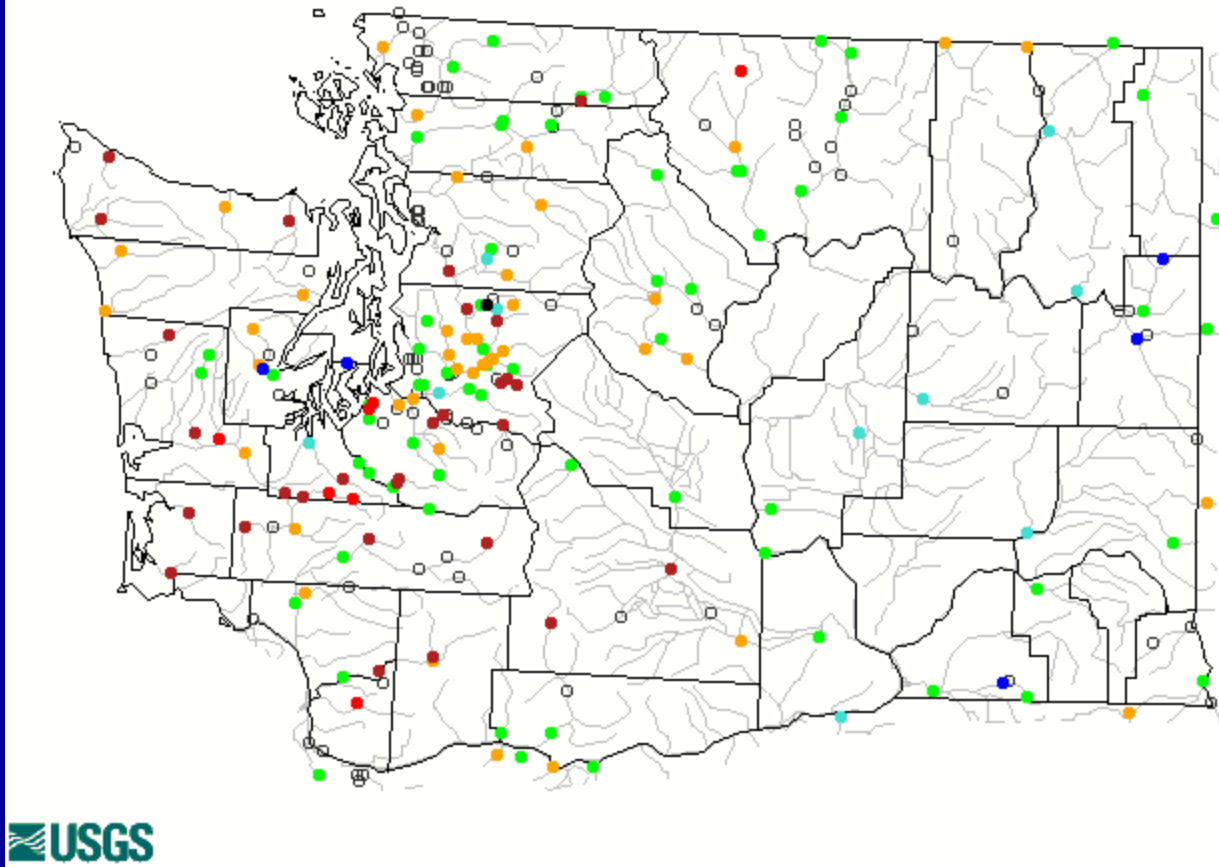
# Streamflow Conditions in Washington State as of August 8-9, 2018



Presented by Mark Mastin to the Washington State  
Water Supply Availability Committee  
Aug 10, 2018

# 7-day Average Streamflow

Wednesday, August 08, 2018



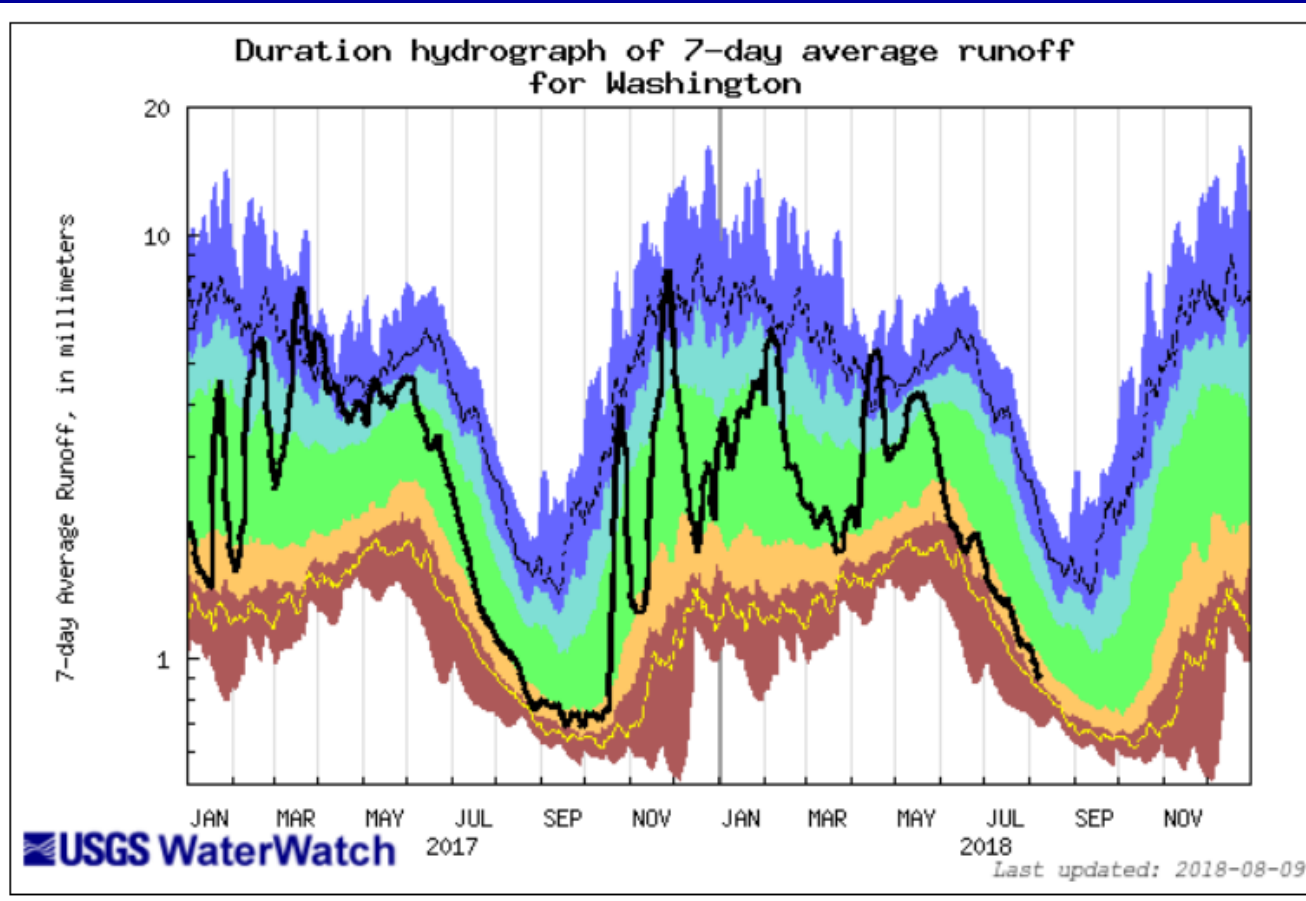
USGS

August 8, 2018

Explanation - Percentile classes							
●	●	●	●	●	●	●	○
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

# Duration Hydrograph, Washington State

## 7-day Average Streamflow (updated August 9, 2018)

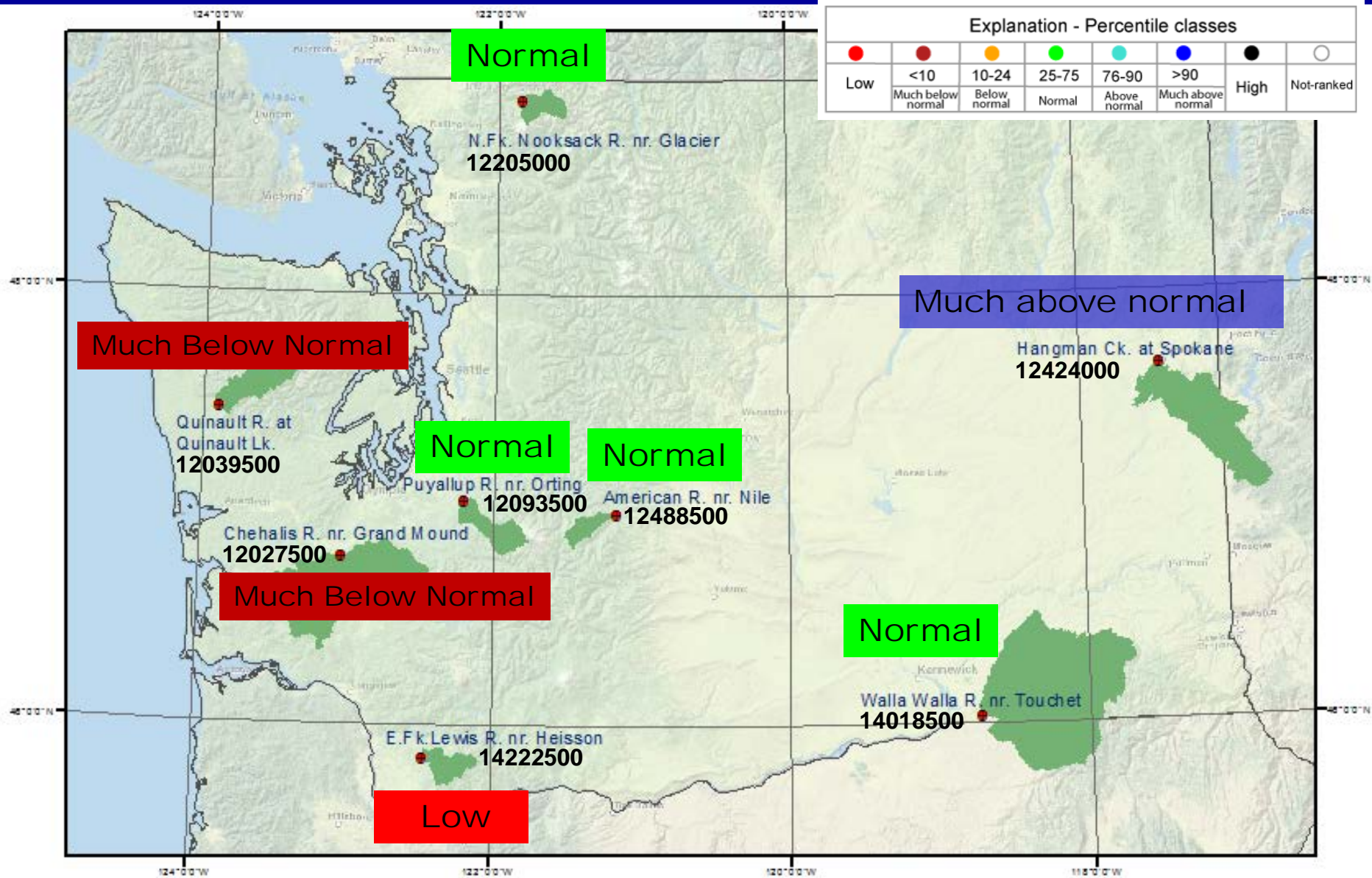


As of August 9, 2018, statewide 7-day average flows are near the bottom of the below normal percentile range

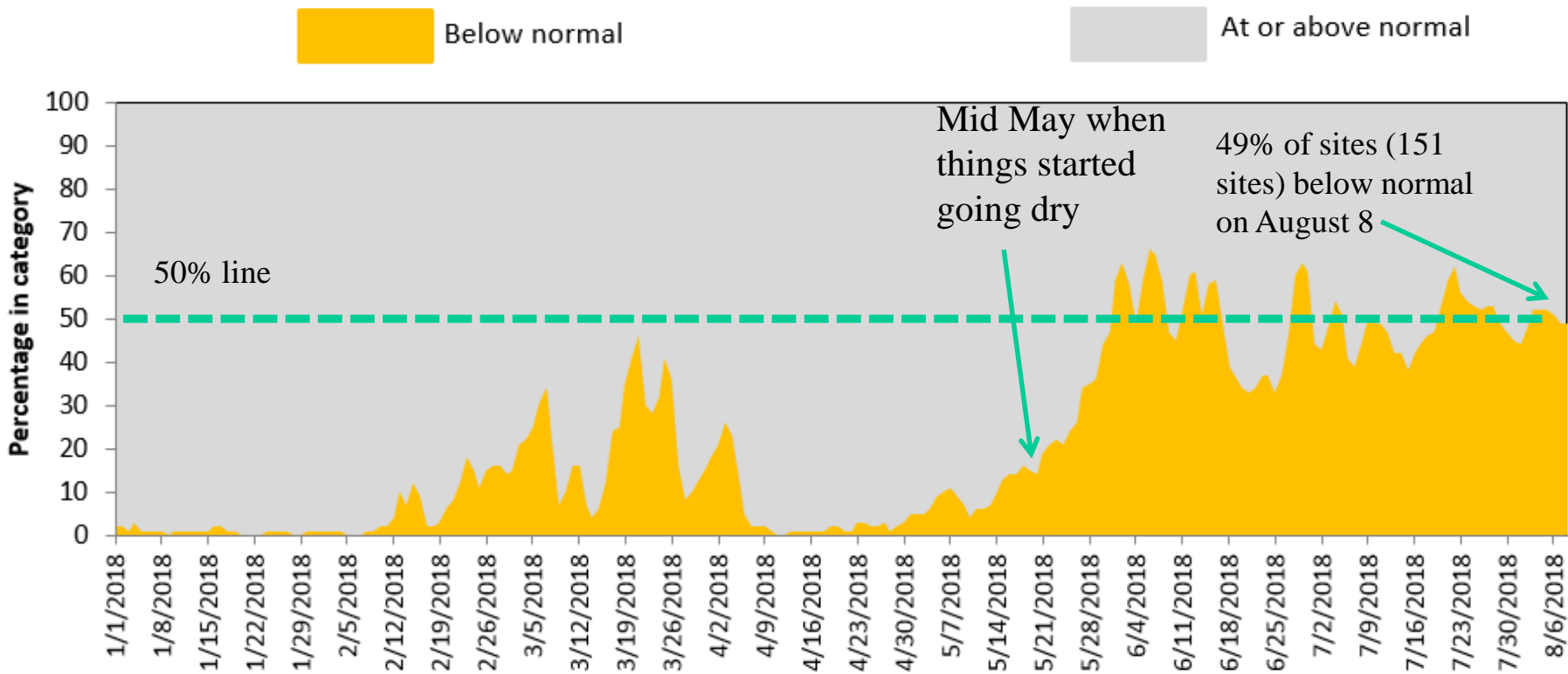
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile-highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

# Index Gaging Stations, 7-day average streamflow (as of August 8, 2018)

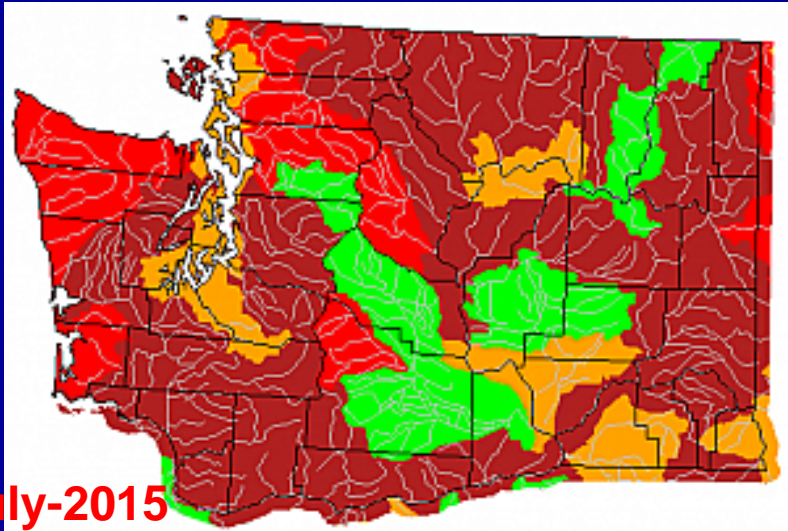
Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked



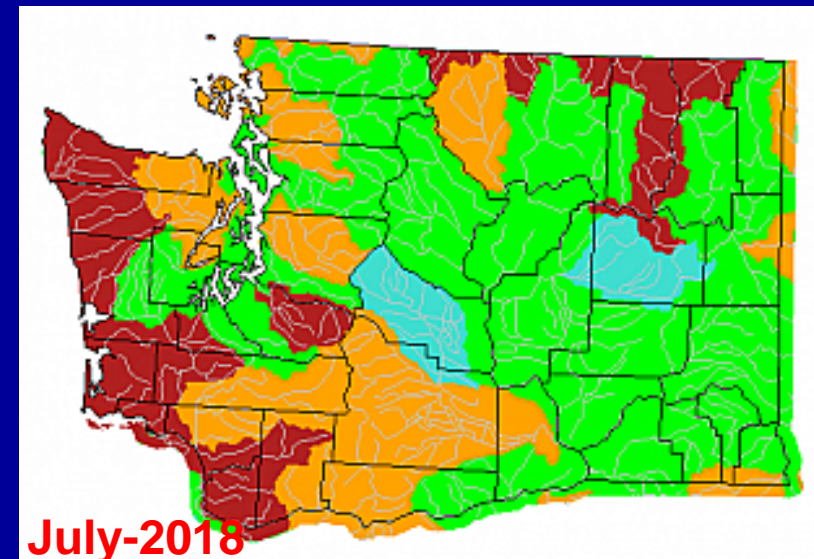
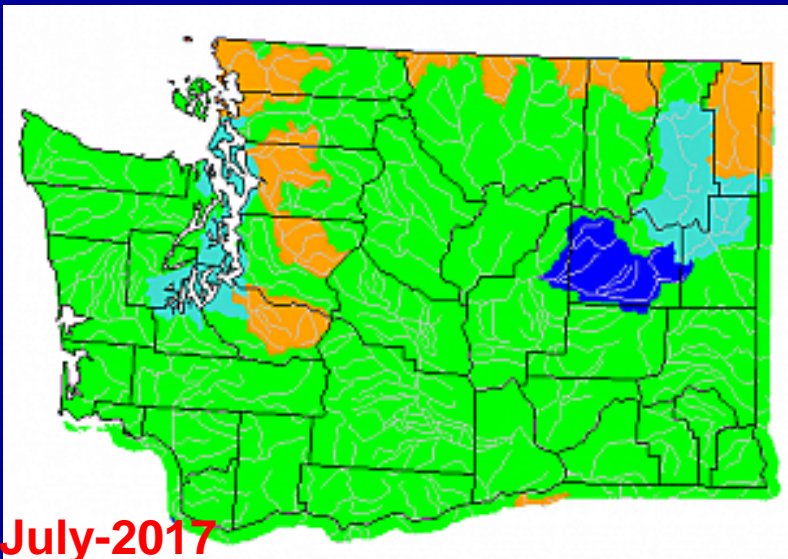
# Daily streamflow in Washington Rivers compared to historical streamflow, October 01, 2017 – April 4, 2018



# Average July 2015, 2017, and 2018 Streamflow



Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	



# Groundwater Conditions

October 1, 2017 to April 5, 2018

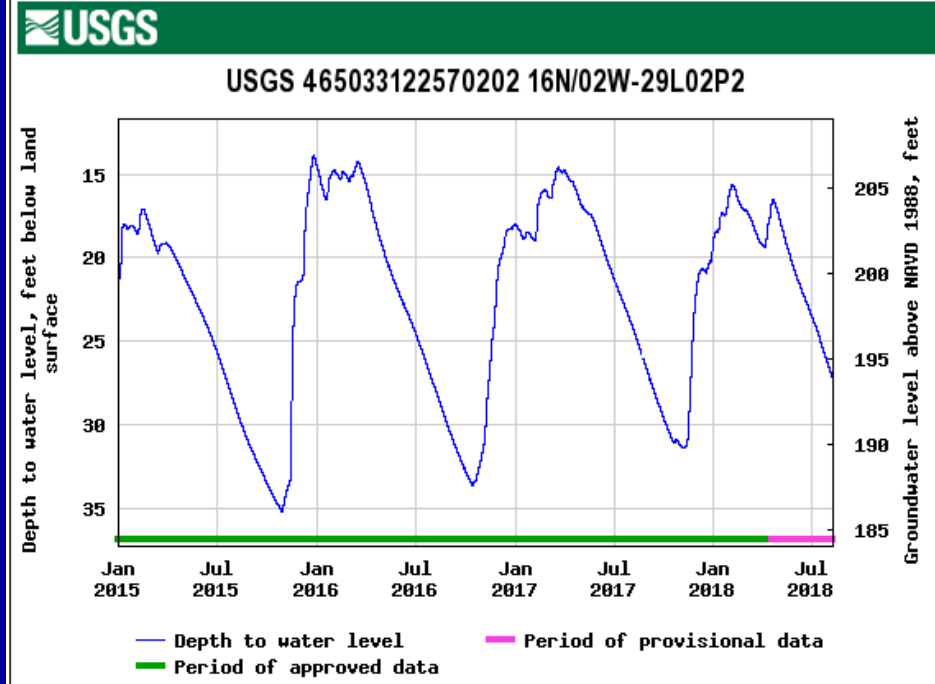
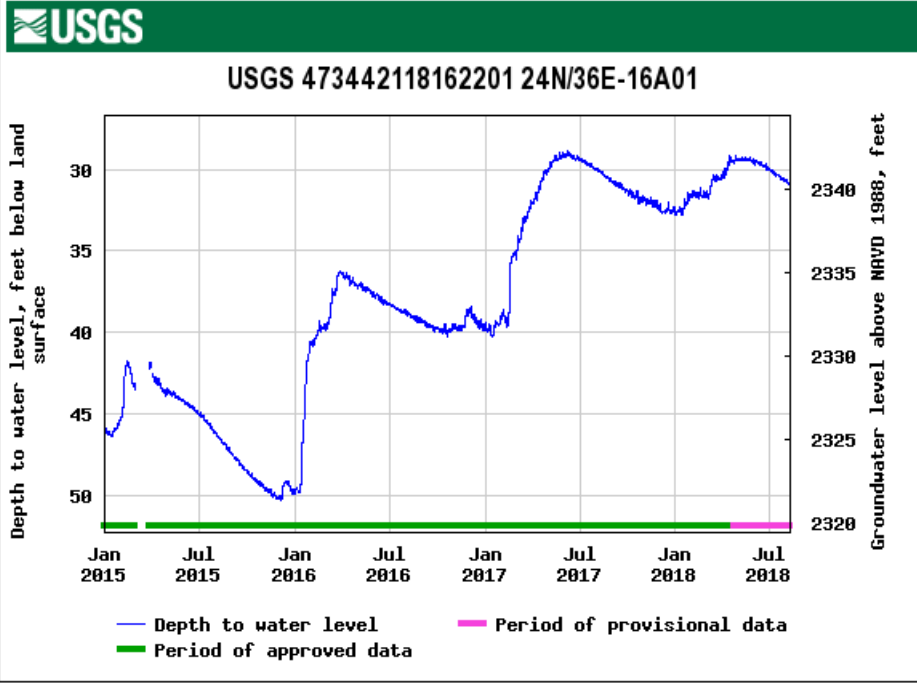
and Oct. 1, 2014 to April 5, 2018

## Davenport well

- 117-ft deep
- Wanapum Basalt

## Scatter Creek well

- 82-ft deep
- Sand and gravel



# Summary

## Streamflow and Groundwater Conditions as of August 8-9, 2018

- ✓ 7-day average streamflow statewide is mostly below normal with many sites on the coast and in SW Washington at the much below normal classification.
- ✓ As of August 8, daily mean streamflow is at normal and above at half of the 151 streamflow sites.
- ✓ 7-day average streamflow at seven index gaging stations is:
  - Much below normal at the coastal site and the SW Washington site and Low at the East Fk. Lewis River
  - Normal and Much above normal at the remaining sites
- ✓ Groundwater level in the eastern Washington well is still well above normal and Scatter Creek is about where it usually is this time of year.